Usable Interfaces presents

sensoNet

A low cost, arduino-based, open source sensor network enabler

http://projects.emerginov.org/sensonet/

Powered by

B. HERARD - M. RICHOMME Orange Labs
Arduino?

- PIN connectors
- USB/Serial interface
- Power supply
- Programmable GPIO micro controller
Arduino?

Main Board + Shields (extension cards) Ex: GPRS, WiFi... + C++ = Prototype for any object!

Sensors and devices
M2M developers, Fablabs (cf. BlueVia (Telefonica/Telenor) arduino initiative)

Entrepreneurs (home automation, m-agri, m-transport,..)

Prototyping & POC
Especially in Africa
A basic and easy-to-use M2M/IoT enabler

Adaptable connectivity:
- SMS: easy to deploy anywhere
- HTTP reactivity

Hardware for web developers

Unified management

An asset triggering other business (hosting/data storage)
Some examples

Solar panels failure detection and alerting in Africans schools

Environmental parameters metrology (temperature, hygrometry, light, water level)

Bee-hive monitoring

Connected Christmas garland

Experimental bus tracking

Contactless connected switch
Key points

- SOA REST Framework
- Messages protocol
- Extendable Arduino library
- Connected objects core management

= sensoNet
¿Questions?
See http://projects.emerginov.com/sensonet/